Course Specification

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Produced By:	Laura Clode
Status:	Validated

Core Information

Awarding Body / Institution:	University of Wolverhampton		
School / Institute:	School of Mathematics and Computer Science		
Course Code(s):	CC030P01UV	Full-time	12 Months
	CC030P31UV	Part-time	2 Years
Course Title:	MSc Web and Mobile Application Development		
Hierarchy of Awards:	Master of Science Web and Mobile Application Development Postgraduate Diploma Web and Application Development Postgraduate Certificate Web and Mobile Application Development Postgraduate Certificate Web and Mobile Application Development University Statement of Credit University Statement of Credit		
Language of Study:	English		
Date of DAG approval:	01/Jun/2017		
Last Review:	2015/6		
Course Specification valid from:	2014/5		
Course Specification valid to:	2021/2		

Academic Staff

Course Leader:	Dr Ian Coulson
Head of Department:	Dr Kevan Buckley

Course Information

Location of Delivery:	University of Wolverhampton
Category of Partnership:	Not delivered in partnership
Teaching Institution:	University of Wolverhampton
Open / Closed Course:	This course is open to all suitably qualified candidates.

Entry Requirements:

Entry requirements are subject to regular review. The entry requirements applicable to a particular academic year will be published on the University website (and externally as appropriate e.g. UCAS

A lower second honours degree in Computer Science or equivalent is required for direct entry onto this Master's programme

Distinctive Features of the Course:

This degree builds upon some of the fundamental undergraduate areas but orientates there studies towards the fast moving areas of web and mobile devices. The course focuses on the technologies and techniques which are used to deliver the rapidly expanding area of web and mobile computing, and which the staff are actively researching or have national or international reputations.

Specialist laboratories support the teaching, for web and Mobile Computing. This award has a strong practical element, enhancing the underpinning knowledge with a range of practical skills designed to enhance the students' career prospects.

Educational Aims of the Course:

This course aims to meet the growing need within the IT sector for professionals with a thorough understanding of the design and the underlying technologies of the World Wide Web and Mobile computing. This technology based course is ideal for students who have a degree in Computer Science or a related field. The focus is on the process from design of software through to deployment and a full understanding of the technologies that enable this. As a student you will experience a combination of structured learning with problem-based scenarios and research that will develop your capabilities for critical thinking, argument, creativity and encourage your innovation all of which are brought into the practical decision making processes encountered in this fast moving area.

Emphasis in this course is on obtaining real world professional practice skills, with a large amount of the course being undertaken in workshops utilising real world tools. Theoretical knowledge will be underpinned through case studies, lectures and seminars. Learning will be encouraged through the use of practical assignments and the underlying aim is to turn you into a professional who not only understands the theory of this technical area, but has real life and up to date practical skills and experience.

This flexible course can enable qualification at post graduate certificate and diploma levels on successful completion of a requisite number of modules and credits.

Intakes:

September

Major Source of Funding:

Office for Students (OFS)

Tuition Fees:

Tuition fees are reviewed on an annual basis. The fees applicable to a particular academic year will be published on the University website.

Year	Status	Mode	Amount
2020/1	H	Full Time	£6400.00
2020/1	Overseas	Full Time	£13350.00
2020/1	H	Part Time	£3200.00

PSRB:

None

Course Structure:

September (Full-time)

Part time students study alongside full time students. However, they do not study more than 80 credits in each academic calendar year.

Year 1

Module	Title	Credits	Period	Type
7CC009	Research Methods in Computing	20	INYR	Core
7CC010	Web Design	20	INYR	Core
7CC011	Mobile Computing Platforms	20	INYR	Core
7CC005	Web Technologies	20	INYR	Core
7CC012	Mobile Application Development	20	INYR	Core
7ET023	Dissertation	60	CRYRA	Core

For this option group you must choose a minimum of 20 credits and a maximum of 20 credits

Module	Title	Credits	Period	Type
7CC002	Group-based Software Development	20	INYR	
7CS013	Enhanced Professional Experience and Development	20	INYR	

Please note: Optional modules might not run every year, the course team will decide on an annual basis which options will be running, based on student demand and academic factors, to create the best learning experience.

Learning, Teaching and Assessment

Academic Regulations Exemption:

None

Reference Points:

QAA descriptor for a Higher Education qualification at level 7: Master's Degree

QAA Computing Subject Benchmark

BCS requirements for postgraduate study

School of Technology E&D policy, 2010

Learning Outcomes:

Masters Course Learning Outcome 1 (MACLO1)

Conduct research into advanced areas of Mobile and Web technologies; apply and extend an understanding of the nature of research and development; demonstrate the professional skills required to produce a high-quality deliverable and communicate results clearly through appropriate media.

Masters Course Learning Outcome 2 (MACLO2)

Demonstrate expertise in development of mobile apps; apply well-chosen techniques and methodologies to generate sophisticated solutions through team work;

Masters Course Learning Outcome 3 (MACLO3)

Apply appropriate tools and advanced techniques to develop sophisticated web sites and Internet applications;

Masters Course Learning Outcome 4 (MACLO4)

Demonstrate a critical understanding of the concepts and technologies underpinning modern web and mobile platforms, and have the ability to supply flexible solutions to the changing technological landscape;

Masters Course Learning Outcome 5 (MACLO5)

Demonstrate the ability to deliver an artefact in a given time scale and to a high level of expertise.

Overview of Assessment:

Module	Title	Course Learning Outcomes
7CC002	Group-based Software Development	MACLO3
7CC005	Web Technologies	MACLO3, MACLO4
7CC006	Internet and Communications Technology	MACLO1
7CC009	Research Methods in Computing	MACLO1
7CC010	Web Design	MACLO1, MACLO4
7CC011	Mobile Computing Platforms	MACLO2
7CC012	Mobile Application Development	MACLO2, MACLO4
7CI001	Security Technologies and Principles	MACLO3
7CI011	Applied Project Management	MACLO5
7CI017	IS/IT Management	MACLO5
7CS013	Enhanced Professional Experience and Development	MACLO3
7ET023	Dissertation	MACLO1, MACLO5

Teaching, Learning and Assessment:

Assimilate information from journal papers, lectures, text books, original articles, self study notes, selected sites on the internet and personal experience.

Reflect on the results of problem solving; making recommendations based on evidence and experience.

Apply a variety of techniques to solve web and mobile platform problems, including well-defined and ill-defined situations.

Reflect on the results of problem solving; making recommendations based on evidence and reflection.

Assessment Methods:

At the University of Wolverhampton, a variety of modes of assessment will be used to support and test your learning and progress and to help you develop capabilities that are valued beyond your University studies and into your working life. Your course may include a variety of assessment activities:

Written examinations (including online examinations, open and closed book examinations and quizzes) Coursework (for example, essays, reports, portfolios, project proposals and briefs, CVs, poster presentation) Practical (for example, oral and video presentations, laboratory work, performances, practical skills assessment)

In the final year of your undergraduate degree, and at the end of your postgraduate degree, you are likely to be expected to write an extended piece of work or research, such as a dissertation or a practice-based piece of research.

Student Support:

They also provide study skills and academic support, providing short courses such as provide help in areas such as "Writing and Assignment Skills", "Exam Techniques", "Enhancing Professional Skills", "Personal Development Planning" and "Making Choices for the Future.

University Learning Centres provide general academic skills support to all students. You can make an appointment with a study skills advisor for advice on areas such as academic writing, assignment planning, exam preparation, and time management.

In addition, there is a regular timetable of drop-in and bookable workshops covering information and digital literacy skills, including academic referencing. School of Technology students are supported by a designated subject librarian who is available to support research and project work.

Course support:

At the start of your course you will be assigned a Personal Tutor who will guide you through the induction process and provide support and academic counselling throughout your course on an appointment basis. They should be able to offer you advice and guidance to help you liaise with other staff and support facilities in the School and University.

The Student Support Advisers (SSA) provides academic counselling and will be accessible throughout the week on a drop-in or appointment basis to discuss timetables, requests for extensions, requests for extenuating circumstances, general concerns about study and student life and general programme planning. The SSA will act as a first point of contact in relation to leave of absence (including returning after leave), withdrawal, transferring to another course (internal and external) and changes to mode of attendance. Your Course Leader will be available thereafter for meetings by appointment to discuss leave of absence, withdrawal, transferring to another course (internal and external), changes to mode of attendance, returning after leave of absence and direct entrants.

Subject support:

Tutorials, workshops, seminars and meetings - provide the primary opportunities for students to interact with staff on topics relating to modules. All modules provide at least one of these forms of face-to-face support.

Formative feedback - tutors provide personalised written feedback on most summative assessments. The mechanism for feedback from purely formative tasks varies between assessments, but will always be provided in some form. Online formative tasks often provide feedback straight away. On occasions tutors may provide generalised verbal feedback to the whole class on points relating to an assessment

Assessment and subject-based surgeries provide additional student support for subjects that students often need extra help with. They are often concentrated around the times when assessments take place. Revision sessions are provided for many modules that have exam-like tests and enable you to interact with tutors to review parts of the course. Mock exams and tests may provide opportunities to experience an examination environment before the final summative test and give you feedback on your understanding.

International Students:

The International Centre will provide pre and post entry visa and immigration support and advice on and arrange for the necessary paperwork to be submitted to UKBA. They will also provide appropriate University Induction support on arrival and be a point of contact for international students throughout their stay here.

A range of social and cultural activities arranged by the International Centre will also promote the integration of international students into the whole of the University's learning community. English language support is also available through the international language centre in the University.

Employability in the Curriculum:

Web and Mobile App developers currently are the greatest in very high demand, and this is set to stay for the foreseeable future due to the growth in numbers and uses of mobile devices and the web.